

DEPARTMENT OF THE ARMY
Omaha District, Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

:NOTICE: Failure to acknowledge : Solicitation No. DACA45 03 R 0036
:all amendments may cause rejec- :
:tion of the offer. See FAR : Date of Issue: 04 JUN 2003
:52.215-1 of Section 00100 : Date of Receiving Proposals:
10 JUL 2003

Amendment No. 0002
26 June 2003

SUBJECT: Amendment No. 0002 to Request for Proposal Solicitation Package
Design and Construction of 37TH B1-B SQUADRON OPERATIONS FACILITY,
FXBM 99-3001, ELLSWORTH AFB, SOUTH DAKOTA.
Solicitation No. DACA45 03 R 0036.

TO: Prospective Offerors and Others Concerned

1. The specifications and drawings for subject project are hereby modified as follows (revise all specification indices, and attachment lists, and drawing indices accordingly).

a. Specifications. (Descriptive Changes.)

(1) Section 00010, Page 1, delete date shown for receipt of proposals and substitute "10 July 2003"; Also, Item 11, delete "540" and substitute "***" and delete "(See _____.)" and substitute "*** See Sect 00800, para 1.1)."

(2) Section 00110, Page 6, paragraph 6.3.1, line 7, after "Performance Evaluation", insert "(Design)"

(3) Section 00110, after DD Form 2626, Performance Evaluation (Construction) sheet, insert attached DD Form 2631, Performance Evaluation (Architect Engineer) sheet (for design).

(4) Section 00110, Page 8, paragraph 6.5.1, line 5, after "Performance Evaluation", insert "(Construction)".

(5) Section 00800, Page 3, delete paragraph 1.1 in its entirety and substitute

"1.1 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)

The Contractor shall be required to (a) commence work under this contract within ten (10) calendar days after the date of receipt by him of Notice to Proceed, (b) prosecute said work diligently, and (c) complete the entire work ready for use not later than 600 calendar days (which includes design, design reviews and all construction activities for Basic and any options exercised) after notice to proceed (NTP). See NOTE below. The time stated for completion of the project shall include final cleanup of the premises.

*NOTE:

The Government will not allow demolition of Existing Building 7503 until after completion and turnover of the new Squadron Operations Facility for occupancy and relocation of occupants of Building 7503 into the New Squadron Operations Facility. The Contractor shall allow 30 calendar days for relocation of Building 7503 occupants after turnover of the New Squadron Operations Facility to the Using Service for occupancy. Completion time was based on 540 calendar days for completing work on new Squadron Operations Facility, plus 30 calendar days for relocation of Building 7503 occupants and 30 calendar days for demolition of Building 7503.

If exercising of Option Items O-4, O-5 and O-6 does not occur until after 430 calendar days after NTP, an additional 30 calendar days will be added to the overall completion time. (FAR 52.211-10)"

(6) Section 00800, Page 3, paragraph 1.1.1 (a), to the end of the paragraph, add:

"The Government will allow the design for the site work, foundations and site utilities and for the remaining work to be submitted as a separate design packages (with separate reviews), just as long as the final design construction set for the remaining work includes the design for the site work, foundations and site utilities. For coordination purposes, the indexes for the drawings, specifications, design analyses and any other design deliverable shall for these separate design packages shall reflect the entire project design and clearly identify the items being submitted with the design package in question."

(7) Section 01002, Page 9, paragraph 1.5, to the list of items the User will salvage from Building 7503, add:

"- One XL100 Honeywell controller and sensors (related to HVAC Direct Digital Control).

(8) Section 01002, Page 20, paragraph 1.10.2, line 1, after "site.", insert:

"The Study shall also include an analysis of the capacity of the existing system that will be accessed and be impacted by the upstream stormwater runoff."

(9) Section 01004, Page 12, paragraph 1.4, Ceramic/Porcelain Tile, finish CT-1, Dimension requirements, delete "See drawing" and substitute '18" x 18"'. .

(10) Section 01004, Page 13, paragraph 1.4, Ceramic/Porcelain Tile, finish CT-2 Dimension requirements, delete "See drawing" and substitute '6"x 6" and 12" x 12"', See drawing'.

(11) Section 01005, Page 8, paragraph 1.3.9.2, lines 4 thru 8, delete "presented are preliminary for bidding purposes ... review and approval" and substitute: "are given".

(12) Section 01005, Page 12, paragraph 1.7.1, line 8, after "edges of the building footings.", insert:

"From the Geotechnical Engineering Letter (Attachment #16), the last paragraph on Page 1 and the remainder of the same paragraph at the top of Page 2, along with the first full paragraph on the top of Page 2,

shall be followed. This includes provisions to support the foundations and floor slabs on at least 5 feet of SDDOT Limestone Ledge Rock Base Course. The excavations shall be adequately sloped to provide rapid drainage of any accumulating ground water or infiltrating surface water. Water should not be allowed to pond within the crushed stone on top of the existing natural clays or the clayey fill. The excavations shall be sloped toward drain pipes that would collect and divert the water into a storm sewer system. Other portions of the Geotechnical Engineering Letter (Attachment #16), including references to chemically-modified soil, or references to a rock base course other than the 5 feet of SDDOT Limestone Ledge Rock Base Course, shall be ignored. The depth of overexcavation shall be 5 feet in lieu of the 3 feet indicated the Geotechnical Engineering Letter (Attachment #16)."

(13) Section 01006, Page 17, paragraph 1.2.16.d., delete last sentence reading "This filter is not ... air-handling units." and substitute:

"This filter shall be separate from the filter normally included with air-handling units."

(14) Section 01006, Page 20, paragraph 1.6, line 1 from top of page, after "etc.", insert: "; this does not include ductwork."

(15) Section 01006, Page 30, Paragraph 1.10.16.b. (1), to end of this paragraph, add:

"Threaded piping is not allowed on piping 2 1/2 inches and larger."

(16) Section 01006, Page 50, paragraph 1.17, last 2 lines, delete "If in doubt as to requirements ... for assistance." and substitute:

"A standby diesel portable emergency generator is the only identifiable pollution source."

(17) Attachment 7, Page 1, paragraph 1, line 5, after "code provisions.", insert:

"The predicted dynamic pressure and impulse from the potential explosive site (PES) are shown in Table 1. The edge shears in Tables 2 and 3 are static forces. The wall system sub-framing assembly can be designed using the static edge shears in Tables 2 and 3. Wall system sub-framing on the South Elevation can be designed using the dynamic blast pressures in Table 1."

(18) Attachment 7, Page 2, paragraph 6, delete text reading "Table 1. Deleted" and substitute:

"Table 1. Blast Pressures (Dynamic)."

Orientation	Pressure (psi)	Impulse (psi-msec)
Incident	4.1	158
Reflected	9.2	320

”

(19) Attachment 30, Part E, delete Furniture Illustration Sheet Pages showing Item Code LS-6.A, 9.A and substitute attached new Furniture Illustration Sheet Pages showing Item Code LS-6.A and LS-9.A.

(20) Attachment 30, Part E, delete page showing Furniture Illustration Sheet page showing Item Code OT-1.A, 2.A and substitute attached new Furniture Illustration Sheet page showing Item code OT-1.A, 2.A.

(21) Attachment 30, Part F, delete pages 24, 27, 39 and 40 and substitute attached new pages 24, 27, 39 and 40.

(22) Attachment 30, Part F, Page 13, Item Code A/T-1, Memo item, delete "Stainless steel w/ random finish" and substitute

"Stainless steel w/ powder coat finish - color bright silver".

(23) Attachment 30, Part F, Page 17, Item Code BN-1, Memo item, delete "Stainless steel w/ random finish, w/ powder coat" and substitute:

"Stainless steel w/ powder coat finish - color bright silver".

(24) Attachment 31, Part D (Order Data Sheets)

(a) Page 15, Item EQ-PM-1.A, procurement information for Portable Mezzanine, on the "Dimensions" line, delete "100' x 62'" and substitute

"See Area B Equipment Plan - Lower Level."

(b) Page 16, Item EQ-PM-1.B, procurement information for Portable Mezzanine, on the "Dimensions" line, delete "40' x 12'" and substitute

"See Area B Equipment Plan - Lower Level."

(c) Page 23, Item EQ-SR-1.A, Storage Rack, Model number information reading "48H96 (1.5 ea) ... ", delete "1.5 ea" and substitute "1.5 uprights per unit".

(d) Page 34, Item EQ-SR-1.B, Storage Rack, Model number information reading "48L96(1.7 ea) ... ", delete "1.7 ea" and substitute "1.667 uprights per unit".

(25) Attachment 32, Part D, Page 16, Item Codes AE-PR-1.B, delete Information for Item location and substitute:

"RMS. 226, 227, 228, 231, 232 & 233; 2 EA. RMS. 249, 104 & 120; 1 EA."

b. Drawings (Not Reissued). The following sheets of drawing code AF 141-32-04 are revised as indicated below with latest revision date of 26 June 2003. These drawings are not reissued with this amendment.

(1) Sheet U1.1, UTILITY FLAG NOTES, delete text of note UF13 in its entirety and substitute

"THE CONTRACTOR SHALL CONVERT THE REMAINDER OF THE OVERHEAD PORTION OF CIRCUIT #6 IN FRONT OF THE EXISTING 34TH SQUAD OPS FACILITY TO AN UNDERGROUND DUCT BANK AND SERVICE. APPROXIMATELY 350 FEET OF OVERHEAD LINE (4 POLES) SHALL BE CONVERTED TO UNDERGROUND LINE. THIS EXISTING OVERHEAD LINE HAS THREE SPANS OF CONDUCTORS WITH TWO POLE-MOUNTED TRANSFORMERS FEEDING EACH BUILDING 8217 AND 8304 SEPARATELY. THE EXISTING 34TH SQUAD OPS POWER SOURCE IS ALSO TAPPED INTO THIS OVERHEAD LINE."

(2) Sheet A1.1, UPPER FLOOR PLAN - AREA A, near drawing coordinate D-1, delete note reading "UTILITY MAINTENANCE PLATFORM (HATCHED) ... DOD 5200.1-R)" and substitute:

"UTILITY MAINTENANCE PLATFORM (HATCHED): COMPOSITE DECK ON JOISTS AND BEAMS OVER THIS AREA AT 126'-0" (15'-0" AFF) TO MEET SECURE ROOM CONSTRUCTION REQUIREMENTS. WALLS BELOW PLATFORM SHALL EXTEND FROM FLOOR TO UNDERSIDE OF PLATFORM. WALLS AT PERIMETER OF PLATFORM SHALL EXTEND UP TO ROOF DECK. ALL PENETRATIONS THROUGH PLATFORM SHALL CONFORM TO SECURE ROOM DESIGN REQUIREMENTS (DOD 5200.1-R.)"

(3) Sheet AR1.1, PLANS OF BUILDING 7226, 7238 AND 7221.

(a) To the right of Bldg. 7221, add the following note:

"THIS BUILDING IS LOCATED DIRECTLY SOUTHEAST OF BUILDING 7238; SEE SHEET V1.1 FOR LOCATION."

(b) To the end of the note attached to the water storage tank, add: "WEIGHT IS APPROXIMATELY 35,000 POUNDS."

2. This amendment is a part of the proposing papers and its receipt shall be acknowledged on the Standard Form 1442. All other conditions and requirements of the request for proposal remain unchanged. If the proposals have been mailed prior to receiving this amendment, you will notify the office where proposals are received, in the specified manner, immediately of its receipt and of any changes in your proposal occasioned thereby.

a. Hand-Carried Proposals shall be delivered to the U.S. Army Corps of Engineers, Omaha District, Contracting Division (Room 301), 106 South 15th Street, Omaha, Nebraska 68102-1618.

b. Mailed Proposals shall be addressed as noted in Item 8 on Page 00010-1 of Standard Form 1442.

3. Offers will be received until 2:00 p.m., local time at place of receiving proposals, 10 JUL 2003.

Attachments:

DD Form 2631 Performance Evaluation (Architect Engineer) Sheet (for Design)

Attachment 30 (Part E), Furniture Illustration Sheet Pages LS-6.A, LS-9.A and OT-1.A, 2.A

Attachment 30 (Part F), Pages 24, 27, 39 and 40

Pre-Proposal Conference Meeting Minutes, Attendance List and Request for Information with Responses (For Information Only)

U.S. Army Engineer District, Omaha

Corps of Engineers

106 South 15th Street

Omaha, Nebraska 68102-1618

26 June 2003

DRL/4547

**PERFORMANCE EVALUATION
(ARCHITECT-ENGINEER)**

A-E CONTRACTOR I.D. NUMBER
(For ACASS use only)

1. A-E CONTRACT NUMBER

2. CONSTRUCTION CONTRACT NUMBER

IMPORTANT: Be sure to complete Performance section on reverse. If additional space is necessary for any item, use Remarks section on reverse.

3. TYPE OF EVALUATION			4. PROJECT NUMBER	5. DELIVERY ORDER NUMBER(S) (if applicable)
3a. PHASE OF COMPLETION <input type="checkbox"/> INTERIM (%) <input type="checkbox"/> FINAL	3b. COMPLETION (Check one) <input type="checkbox"/> DESIGN <input type="checkbox"/> ENGINEERING SERVICES <input type="checkbox"/> CONSTRUCTION	3c. CHECK IF APPLICABLE <input type="checkbox"/> TERMINATION (Explain in REMARKS on reverse)		

6. NAME AND ADDRESS OF A-E CONTRACTOR	7a. PROJECT TITLE AND LOCATION 7b. DESCRIPTION OF PROJECT IF NOT EXPLAINED BY TITLE
---------------------------------------	--

8. NAME, ADDRESS AND PHONE NUMBER OF OFFICE RESPONSIBLE FOR:

8a. SELECTION OF A-E CONTRACTOR	8b. NEGOTIATION/AWARD OF A-E CONTRACT
8c. ADMINISTRATION OF A-E CONTRACT	8d. ADMINISTRATION OF CONSTRUCTION CONTRACT

9. A-E CONTRACT DATA
(Items 9d thru 9g are not applicable during construction unless there are modifications to the A-E contract) - "See Instructions."

9a. TYPE OF WORK PERFORMED BY A-E (DESIGN, STUDY, ETC.)		9b. TYPE OF A-E CONTRACT <input type="checkbox"/> FIRM FIXED-PRICE <input type="checkbox"/> INDEFINITE DELIVERY/INDEFINITE QUANTITY <input type="checkbox"/> COST-REIMBURSEMENT <input type="checkbox"/> OTHER (Specify)			
9c. PROJECT COMPLEXITY <input type="checkbox"/> DIFFICULT <input type="checkbox"/> ROUTINE	9d. PROFESSIONAL SERVICES CONTRACT		TOTAL A-E FEE		
	INITIAL A-E FEE \$	A-E CONTRACT MODIFICATIONS			
		NO.		AMOUNT \$	
9e. A-E CONTRACT AWARD DATE		9f. NEGOTIATED A-E CONTRACT COMPLETION DATE (OR NUMBER OF DAYS) (Including extensions)	9g. ACTUAL A-E CONTRACT COMPLETION DATE (OR NUMBER OF DAYS)		
9e1. DELIVERY ORDER AWARD DATE		9f1. COMPLETION DATE	9f2. NUMBER OF DAYS	9g1. COMPLETION DATE	9g2. NUMBER OF DAYS

10. CONSTRUCTION CONTRACT DATA
(Not applicable at completion of design or engineering services not involving construction.)

10a. CONSTRUCTION COSTS	10a(1). AUTHORIZED CONSTRUCTION COST \$	10a(2). A-E ESTIMATE FOR BID ITEMS AWARDED \$	10a(3). AWARD AMOUNT \$
10b. DATA AT TIME OF CONSTRUCTION COMPLETION (Completion date _____)		NUMBER	TOTAL COST
10b(1). CONSTRUCTION MODIFICATIONS			\$
10b(2). CONSTRUCTION MODIFICATIONS ARISING FROM DESIGN DEFICIENCIES			\$

11. A-E LIABILITY ☐ NONE ☐ UNDETERMINED ☐ PENDING \$ _____ ☐ SETTLEMENT \$ _____

12. OVERALL RATING <input type="checkbox"/> EXCELLENT <input type="checkbox"/> ABOVE AVERAGE <input type="checkbox"/> AVERAGE <input type="checkbox"/> BELOW AVERAGE <input type="checkbox"/> POOR	13. RECOMMENDED FOR FUTURE CONTRACTS? <input type="checkbox"/> YES <input type="checkbox"/> CONDITIONALLY <input type="checkbox"/> NO (Explain no or conditional in REMARKS on reverse)
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14a. NAME, TITLE AND OFFICE OF RATING OFFICIAL PHONE NUMBER: 14b. SIGNATURE		15a. NAME, TITLE AND OFFICE OF REVIEWING OFFICIAL PHONE NUMBER: 15b. SIGNATURE	
14c. DATE		15c. DATE (Official Report date)	

AGENCY USE: (Distribution, etc.)

16.

QUALITY OF A-E SERVICES BY DISCIPLINE*(Completion mandatory for both DESIGN and CONSTRUCTION phases evaluations and Engineering Services Evaluations)*

16a. DISCIPLINES (if applicable)	DESIGN/SERVICES			CONSTRUCTION			16b. DISCIPLINE, NAME AND ADDRESS OF KEY CONSULTANT(S) (if applicable)
	OUT- STANDING	SATIS- FACTORY	UNSATIS- FACTORY	OUT- STANDING	SATIS- FACTORY	UNSATIS- FACTORY	
ARCHITECTURAL							
STRUCTURAL							
CIVIL							
MECHANICAL							
ELECTRICAL							
FIRE PROTECTION							
SURVEY AND MAPPING							
COST ESTIMATING							
VALUE ENGINEERING							
ENVIRONMENTAL ENGINEERING							
GEOTECHNICAL ENGINEERING							
MASTER PLANNING							
HYDROLOGY							
CHEMICAL ENGINEERING							
GEOLOGY							

17.

DESIGN PHASE OR ENGINEERING SERVICES:*(Quality of A-E Services Evaluation)*

ATTRIBUTES	N/A	OUT- STANDING	SATIS- FACTORY	UNSATIS- FACTORY
THOROUGHNESS OF SITE INVESTIGATION				
QUALITY CONTROL PROCEDURES AND EXECUTION				
PLANS/SPECS ACCURATE AND COORDINATED				
PLANS CLEAR AND DETAILED SUFFICIENTLY				
MANAGEMENT AND ADHERENCE TO SCHEDULES				
MEETING COST LIMITATIONS				
SUITABILITY OF DESIGN OR STUDY RESULTS				
SOLUTION ENVIRONMENTALLY SUITABLE				
COOPERATIVENESS AND RESPONSIVENESS				
QUALITY OF BRIEFING AND PRESENTATIONS				

18. HOW MANY 100% FINAL RESUBMITTALS WERE REQUIRED BECAUSE OF POOR A-E PERFORMANCE? _____

19.

CONSTRUCTION PHASE:*(Quality of A-E Services Evaluation)*

ATTRIBUTES	N/A	OUT- STANDING	SATIS- FACTORY	UNSATIS- FACTORY
PLANS CLEAR AND DETAILED SUFFICIENTLY				
DRAWINGS REFLECT TRUE CONDITIONS				
PLANS/SPECS ACCURATE AND COORDINATED				
DESIGN CONSTRUCTIBILITY				
COOPERATIVENESS AND RESPONSIVENESS				
TIMELINESS AND QUALITY OF PROCESSING SUBMITTALS				
PRODUCT AND EQUIPMENT SELECTIONS READILY AVAILABLE				
TIMELINESS OF ANSWERS TO DESIGN QUESTIONS				
FIELD CONSULTATION AND INVESTIGATIONS				
QUALITY OF CONSTRUCTION SUPPORT SERVICES				

20. REMARKS *(Attach additional Sheet(s) or Documentation if necessary)*

Project: 37th Bomb Squadron Operations Facility
Ellsworth AFB, SD
PN FXBM993001

Furniture Illustration Sheet

Item Code: LS-6.A

Item Name: Lounge chair

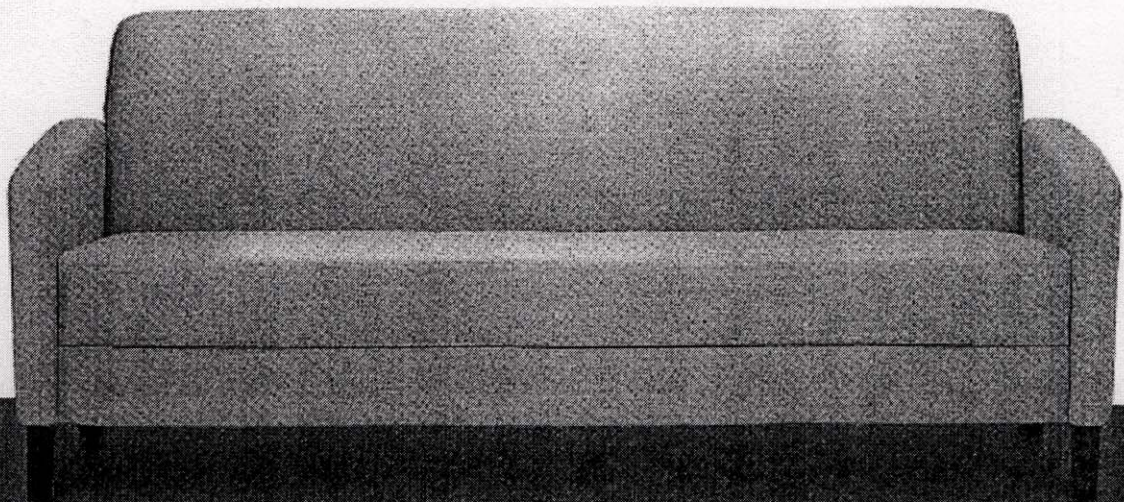


Project: 37th Bomb Squadron Operations Facility
Ellsworth AFB, SD
PN FXBM993001

Furniture Illustration Sheet

Item Code: LS-9.A

Item Name: Sofa



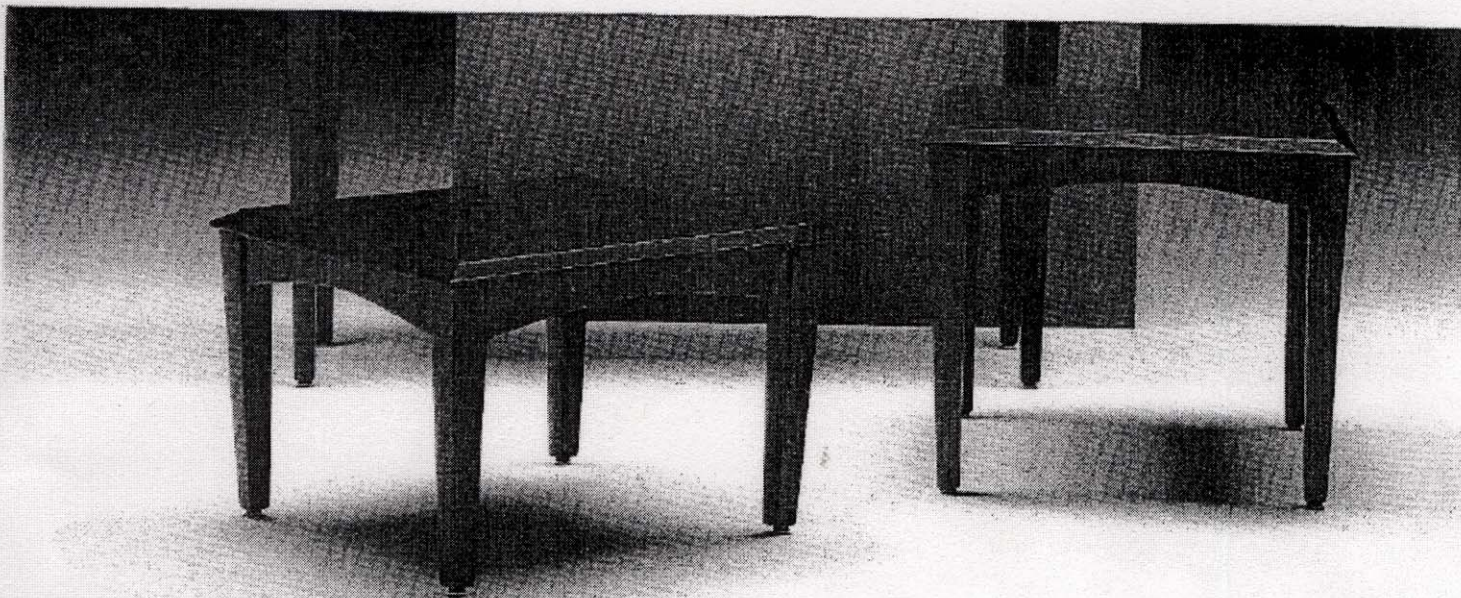
659-3 Amko Sofa
W75" x D32" x H34 1/2"

Project: 37th Bomb Squadron Operations Facility
Ellsworth AFB, SD
PN FXBM993001

Furniture Illustration Sheet

Item Code: OT - 1.A, 2.A

Item Name: Occasional tables-- Ready room, Threat library



Project: 37th Bomb Squadron Operations Facility
Ellsworth AFB, SD
PN FXBM993001

PROCUREMENT INFORMATION

Item Code: LS-6.A

Item Name: Lounge chair

Manufacturer:
Carolina
PO Box 4398
Archdale, NC 27263
800-763-0212

Contractor:
Carolina
PO Box 4398
Archdale, NC 27263
800-763-0212

GSA Contract number: GS-28F-2069D
Contract expiration date: April 30, 2004
FSC Group: 71, Part 1
SIN: 711-16
MOL: \$200,000

Model Name: Amico lounge chair

Model Number: 659-1

Dimensions: 28"w X 32"d X 34.5"h

Finish Name/Number: Cayenne on maple

Fabric Name/Number: Maharam Comment 462120 001 Hazel

Description: Transitional style seating, fully upholstered seat, arms and back with wood legs

Memo: Warranty must be for 10 years

Item locations: RM 119 – Total 2 (READY ROOM)

Estimated freight: Included

Special instructions:

Project: 37th Bomb Squadron Operations Facility
Ellsworth AFB, SD
PN FXBM993001

PROCUREMENT INFORMATION

Item Code: LS-9.A

Item Name: Sofa

Manufacturer:
Carolina
PO Box 4398
Archdale, NC 27263
800-763-0212

Contractor:
Carolina
PO Box 4398
Archdale, NC 27263
800-763-0212

GSA Contract number: GS-28F-2069D
Contract expiration date: April 30, 2004
FSC Group: 71, Part 1
SIN: 711-16
MOL: \$200,000

Model Name: Amico sofa

Model Number: 659-3

Dimensions: 72"w X 32"d X 34.5"h

Finish Name/Number: Cayenne on maple

Fabric Name/Number: Maharam Comment 462120 001 Hazel

Description: Transitional style seating, fully upholstered seat, arms and back with wood legs

Memo: Warranty must be for 10 years

Item locations: RM 119 (READY ROOM) – Quantity 3, RM 229 (THREAT LIBRARY) – Quantity 1

Estimated freight: Included

Special instructions:

Project: 37th Bomb Squadron Operations Facility
Ellsworth AFB, SD
PN FXBM993001

PROCUREMENT INFORMATION

Item Code: OT-1.A

Item Name: Occasional table

Manufacturer:
Carolina
PO Box 4398
Archdale, NC 27263
800-763-0212

Contractor:
Carolina
PO Box 4398
Archdale, NC 27263
800-763-0212

GSA Contract number: GS-28F-2069D
Contract expiration date: April 30, 2004
FSC Group: 71, Part 1
SIN: 711-11
MOL: \$300,000

Model Name: Talos end table

Model Number: 612L-24x30

Dimensions: 24"w X 30"d X 21"h

Wood Finish Name: Cayenne on maple

Laminate Number: WC5551

Description: Wood table with matching plastic laminate top

Memo: Warranty must be for 10 years

Item locations: RM 119 – Total 4 (READY ROOM)

Estimated freight: Included

Special instructions:

Project: 37th Bomb Squadron Operations Facility
Ellsworth AFB, SD
PN FXBM993001

PROCUREMENT INFORMATION

Item Code: OT-2.A

Item Name: Coffee table

Manufacturer:
Carolina
PO Box 4398
Archdale, NC 27263
800-763-0212

Contractor:
Carolina
PO Box 4398
Archdale, NC 27263
800-763-0212

GSA Contract number: GS-28F-2069D
Contract expiration date: April 30, 2004
FSC Group: 71, Part 1
SIN: 711-11
MOL: \$300,000

Model Name: Talos square cocktail table

Model Number: 612L-30SQ

Dimensions: 30"w X 30"d X 16"h

Wood Finish Name: Cayenne on maple

Laminate Number: WC5551

Description: Wood table with matching plastic laminate top

Memo: Warranty must be for 10 years

Item locations: RM 229 – Total 1 (THREAT LIBRARY)

Estimated freight: Included

Special instructions:

Title: 37th B-1B Squad Ops
Location: Ellsworth

Date: 17 June 03

<u>Name</u>	<u>Company</u>	<u>Phone # and Email</u>
<u>BARRY BADINGER</u>	<u>ESVA 3D Group</u>	<u>763-545-1355 badinger@3di.com</u>
<u>KERRY HUNT</u>	<u>GOSSEN LIVINGSTON/ECI</u>	<u>316-265-9367 architects@glat.com</u>
<u>ROD SENN</u>	<u>KADOMAS, LEE & JACKSON</u>	<u>605-721-5553 rsenn@kljeng.com</u>
<u>Tom Rackley</u>	<u>Kiewit Construction</u>	<u>303-930-1000 tom.rackley@kiewit.com</u>
<u>CLEVELAND REEVES</u>	<u>BYH ARCHITECTS</u>	<u>402-415-4551 GREENESC@BYH.COM</u>
<u>Scott Sullivan</u>	<u>Burst Construction</u>	<u>(616) 421-5677 gssullivan@burstconstruction.com</u>
<u>BUD CLESON</u>	<u>Hills Martinus Co</u>	<u>(605) 394-3300 bud.cleson@hills.martinus.com</u>
<u>Bill Butler Jr</u>	<u>Conrad's Big C Electric</u>	<u>(605) 348-8744 bigcelectric@hills.martinus.com</u>
<u>Alec Boyce</u>	<u>Short Elliott Henderson (SEH)</u>	<u>(805) 310-7871 aboyce@sehinc.com</u>
<u>Rich Johnson</u>	<u>The BOLDT COMPANY</u>	<u>920 225 6232 rich.johnson@boldt.com</u>
<u>PAUL K SMERSON</u>	<u>Short Elliott Henderson</u>	<u>605.330.7022 psmyerson@sehinc.com</u>
<u>Jeff Wedgeworth</u>	<u>Carothers Construction</u>	<u>601.939.8886 jwedgeworth@carothersconstruction.com</u>
<u>Dick Temple, AIA</u>	<u>URS CORPORATION</u>	<u>616 574 8469 dick-temple@urscorp.com</u>
<u>Bob MORCOM</u>	<u>TSP</u>	<u>605-343-6102 MORCOMRA@teamtsp.com</u>
<u>Ken Loeschke</u>	<u>TSP</u>	<u>605 343 6102 loeschkekl@teamtsp.com</u>
<u>Mike Arnold</u>	<u>TSP</u>	<u>605-343-6102 arnoldmj@teamtsp.com</u>
<u>David Gustafson</u>	<u>Gustafson Builders</u>	<u>605-342-3144 david@heavyconstructors.com</u>
<u>Bray Newman</u>	<u>"</u>	<u>bray@heavyconstructors.com</u>
<u>Maurice Schurger</u>	<u>Guinn Co. Co</u>	<u>605-787-6500 guinnco@imr.net</u>
<u>Bob CHIMARUSTI</u>	<u>WEIS Builders</u>	<u>BobChimarusti@weisbuilders.com</u>

Title: 37th Signd Ops
Location: Ellikrott

Date: 17 June 03

Name

Company

Phone # and Email

Danny Wegner

Small constant

605 342-2379

Marty Larson

Francis Electric

3 1/2 - 4099

Jim Scull

Scull Constator

342-2379

Rick Zabel

Merrick

342-2379 JIMS@SCULLCONST.COM

JERRY FREEMAN

FREEMAN'S ELECTRIC

303-751-0741 rick.zabel @ merri

MIKE GANTENBEIN

PCL CONST

342-4099 ~~SAFRONIAN ELECTRIC~~ MIDCONGT .com

TEM GAGLIARDI

Advances Et

303 - 365 6540

605-348-9756

→ Advances of Rapin

Title: 37th B-6 Squad Ops
Location: Ellsworth

Date: 17 June 03

Name

Company

Phone # and Email

JON HOLLER	RNL	303-295-1717 / jon.holler@mldesign.com
DAN SEVER	SWINERTON BUILDINGS	303-423-9345 / dsever@swinerton.com
SHAWN VOELLER	DEAN KURTZ CONST.	605-343-6665 / shawn@deankurtzconstruct.com
Keith JACKSON	Action Mech.	605 348 5212 K.jackson@actionmec.com
Chris Stant	Sitework Spec.	605 355-0933
MIKE RYAN	" "	" "
Ken SULLIVAN	P.C.L.	405 416 8256 MRYAN@SITEWORK INC. COM
KENT HANESBAUM	GUERNSEY	405 468 1972 kent.hanesbaum@chguernsey.com
LARRY HERGES	28 CES/CECN	605-385-2534

Date: 17 June 03

Phone # and Email

Mike Albertson	Albertson Engineering	343.9606	albengerustm@icloud.com
Steve Burgess	Denn Kurtz Const.	343-6665	(burgess@dennkurtzconstruction.com)
Brad Kurtz	" " "	" "	(brad@dennkurtzconstruction.com)
Dennis Corcoran	Tessier Inc	341-1940	dcorcoran@tessierinc.com
CURTIS TIRITAS	PCL CONSTRUCTION	(303)365-6501	CETIRITAS@PCL.COM

REQUESTS FOR INFORMATION W/RESPONSES

37th B1-B SQUADRON OPERATION FACILITY
ELLSWORTH AFB, SOUTH DAKOTA

QUESTIONS Group 1

1) Building 7221 is shown on drawing C1.1 to be near building 7226 and 7238, but is not shown on C2.1. Where exactly is this building located?

A: Note added by Amendment No. 0002

2) In paragraph 6.3.1 it states we must submit a Performance Evaluation Sheet for all private sector projects. It also states there is a blank form for that at the end of section 110. The only blank form is for construction evaluation, not design. Where can I get a copy of the Performance Evaluation Sheet for Design?

A: Design Evaluation form added by Am #0002

QUESTIONS Group 2

In the RFP, Section 1006 Page 8, Paragraph 1.2.g. states 'A computer model of the HVAC system noise sources,...shall be included as an integral part of the HVAC design process. The computer model shall use, as a minimum, noise levels broken into octave sound bands. Hard copy of results of the computer model shall be provided with each submittal.' Which computer software programs will the COE accept to accomplish this requirement?

A: Any computer software provided by a Major HVAC Equipment manufacturer will be acceptable.

QUESTIONS Group 3

1) There is a 540 day contract period and page 4 of 00010 allows the Owner up to 450 days from Notice to Proceed to award Options 4, 5 & 6. Many items have eight week lead times. This allows for the fact that option work may exceed contract duration. How will this be addressed? Many of the specified vendors are offering pricing guarantees of 90 to 180 days after which, prices will escalate. How will this be addressed?

A: Requirements concerning completion times have been modified by Amendment No. 0002. Time period stated for Options O-4, O-5 and O-6 are based on the maximum time the Customer has for picking up these options.

2) Option #4, Carolina Items 10, 13, 24 and 25 have been discontinued. Please specify the appropriate replacement. **(A: It is correct that these items have been discontinued. Items will be revised by Amendment No. 0002.**

3) Option #4, Davis Furniture Industries Item 9, LS-5.A: Items PA-7301 and PA-7106 do not exist. Please specify product. **(A: It is not true that these items do not exist. Offeror should contact their supplier again.)**

4) Option #6, Custom Neon Tiger Clock, for pricing purposes the manufacturer would like to know number of letters or numbers to be used. **(A: The Illustration Sheet for Item AE-CL-1.A is very clear about quantity of letters to be used. No change required)**

QUESTIONS Group 4

1. Is voidform below the stoop slabs the only possible solution? A more typical stoop construction method used successfully in this area is to fill the area inside the stoop walls with 3/4"

clean rock. Clean rock is not susceptible to frost heave and is easier to work with. Is this an acceptable solution? **(A: The voidform is the preferred solution by the customer.)**

2. In attachment #7, the edge shears shown for the lobby windows are to be applied to the widened interior window frames shown in the elevations correct? Please confirm that the edge shears given are not for the perimeter of the overall window frame assembly like all of the other windows stated in attachment #7. **(A: See Am #0002 .)**

3. The 2000 IBC has much more extensive testing requirements. Many jurisdictions adopting the 2000 IBC are not adopting all of the testing requirements. Are all of the testing requirements given in the IBC to be followed? If not, what are the testing requirements? **(A: This question is very unclear. The 2000 IBC has much more extensive testing requirements than what? There is no waiver of any test required by IBC based on location and type of facility being designed.)**

QUESTIONS Group 5

The dimension of the portable mezzanine identified in attach 31 (part D) page 15 is called out at 100' x 62'. This size does not appear to fit in this building area. Please advise

A: Requirement was changed by Amendment No. 0002.

QUESTIONS Group 6

The following questions pertain to the mechanical systems:

1. Section 01006 page 17 paragraph 1.2.16 d calls for filters at the exterior louvers. The wording in 01006-37 paragraph 1.12.13 c states this filter is not in addition to the filters in the air-handling unit. Please clarify.
2. Section 01006 page 19 paragraph 1.6 calls for all exposed insulation to receive an aluminum jacket. Does this apply to ductwork as well as piping?
3. Section 01006 page 30 paragraph 1.10.16 b.1 calls for heating hot water 2-1/2 inches and larger to be flanged or welded. Grooved piping is not permitted. Is threaded piping permissible? Does this answer also apply to chilled water piping (01006-32 paragraph 1.11.10 a)?
4. Section 01006 page 50 paragraph 1.17 What is the extent of air pollution control anticipated?
5. Section 01006 page 51 paragraph 1.20 Is the Government hiring a commissioning agent or is it the Contractor's responsibility?

A1. Outside air filters at the exterior intake louvers shall be provided separately from outside air filters that may be provided as part of the air handling unit. See Amendment No. 0002.

A2. Aluminum jacketing is not required on exposed ductwork insulation. See Amendment No. 0002.

A3. Threaded piping is not allowed on 2-1/2 inch and larger piping. See Amendment No. 0002.

A4. See Am #2, Emergency Diesel Generator.

A5. Contractor is responsible.

STRUCTURAL QUESTIONS Group 7

- 1) Snow load drifting requirements given state that snow drifts are to be based on a 20 psf ground snow load. Although this may be technically correct by the IBC and UBC, it is significantly less than is typically used in this area of the country and appears to be unconservative. The typical snow roof load used is 30 psf which is given as the minimum roof live load. A 30 psf snow load roughly correlates to a 40-50 psf ground snow load. The typical ground snow load used by structural engineers in this area is around 43 psf. The difference between a 20 psf ground snow load and a 43 psf ground snow load is very close to 1' in height and 4' in width of a typical snow drift, or approximately 20 psf difference at the highest point on the drift. A very heavy recent snow storm (approximately 3 years ago) who tend to confirm the use of the 43 psf ground snow load in our opinion. Please confirm that the 20 psf ground snow load is the load you want the

snow drift calculations based upon. It makes a significant difference in the structural framing results and even the foundations to a minor degree.

A: The 20 psf is the ground snow load in accordance with the latest UFC which is basically TI 809-01 dated 3 Aug 98. The 30 psf minimum live load takes into account local conditions. See paragraph 1.3.1.3 of Section 01005.

- 2) Wind speeds given for use with the IBC will result in lower net effects than has previously been used at EAFB. Somewhat hidden between the IBC/ASCE 7-02 (IBC) and the UBC is a significant difference in the determination of how a design wind speed is measured. The difference results in an overall change in base design wind speeds to arrive at the same design wind storm. A 75 mph UBC wind is roughly equivalent to a 90 mph IBC wind. A 90 mph UBC wind is roughly equivalent to a 110 mph IBC wind. For some time now EAFB has used a 90 mph UBC wind as its design wind speed. By using a 90mph IBC wind in the RFP the requirements for wind resistance have been lessened significantly. Please confirm this is your intent to use a 90 mph IBC wind or instruct all that a 110 mph IBC wind should be the design basis.

A: Para 1.3.3 Wind Loads of the RFP – Refers to ASCE 7-02 exposure “C” and a basic wind speed (3-second gust) of 90 mph. This is in accordance with TI 809-01 dated 3 Aug 98.

- 3) On the topic of Force Protection Requirements: A 82' setback is shown on the building's North, East, And South sides. The West side has portions of a lot for controlled parking within 10m of the building. Window frame forces are given in attachment 7 for bidding purposes only. Is correct to assume that given the layout shown in the RFP for the building and the site, that for bidding purposes if the window frame forces given in Appendix 7 are the Force Protection Requirements. Our experience with the force protection requirements given in DOD Minimum Antiterrorism Standards for Buildings will require a significant amount of discussion between the designers, EAFB, and USACOE prior to the actual design to satisfy the requirements given in the standard. Please clarify. If there are additional requirements to be accounted for at this time please provide the necessary information in a usable format for design. Thank you.

A: See Am #0002

- 4) In section 1338, item 1.7.4 (page 15) it states that a progressive collapse analysis and loss of lateral support analysis as defined in the Structural Requirements Portion of this document must be submitted with the 100% design. We have not seen that requirement given anywhere else in the documents. Please clarify.

A: Para 1.7.4 of section 01338 is a generic statement. It references back to structural requirements in section 01005 where minimum force protections requirements do not require (for this facility) a collapse analysis. No change is required

- 5) The ammunition storage room's structural requirements state for the room to be constructed of 8" reinforced concrete for walls and lid. The force requirements for this room did not appear clear to me as I looked through the documents. The room is quite small. Could you please clarify what the force requirements are for this room and/or what level of reinforcing you want in these walls?

A: See Attachment 8 with excerpts from AFI 31-101..

- 6) The RFP states to use the IBC 2000 for the building code and also states to use ASCE 7-02 for wind loading requirements. Can the IBC 2000 be used for wind load analysis in lieu of the ASCE 7-02. In my opinion it makes very little if any difference on the results, but does simplify the design.

A: It is acceptable to use IBC 2000 for wind load requirements. Basically IBC 2000 follows ASCE 7-98, which most government facilities are using for wind loads.

QUESTIONS Group 8

The RFP plans (sheet C4.1) show 2 areas designated for stormwater detention. The first area is in the area of the parking lot option and the second is east of Bergstrom Drive.

1. For the parking lot area - What type of detention is envisioned here, surface storage or underground?
2. For the area east of Bergstrom Drive - What areas are required to be drained to this pond? It looks like there could be significant offsite areas being drained here. What would be the allowable release rate? This release rate will determine the storm sewer pipe sizing from the pond to Schilling Street. I'm assuming the existing 60-inch storm sewer to which this drains may have some capacity limitations. Is the evaluation of the existing 60-inch sewer part of the project?

A1. The storage for the parking lot option is surface storage only.

A2. The east detention pond (Bergstrom Drive) will require detention volume to allow the developed Q from our project to pass thru the system. We made the assumption that the existing 60-inch storm sewer system and open channel had the capacity to handle the areas that were presently developed, and that our project would be required to detain the difference between the existing condition (grassed) and the fully developed condition. Detention adjacent to Bergstrom is also required due to the lack of an existing system to properly handle the developed condition up-reach from this area.

QUESTIONS Group 9

As per the RFP, the interior stud walls are required to be designed for a 10 psf horizontal load over the entire surface and wall must not deflect more than L/360 for 10 psf load. This is far in excess of typical interior metal stud walls. This results in much stouter metal stud walls. I think we really will want to find a way to stop the walls at the ceiling height if at all possible. Even if the walls are only extended to the ceiling height + (lets say to 110'-6"), the top of the walls will have to be braced either with diagonal braces all the way up to the roof framing, or by having something spanning horizontally on the top of the wall between perpendicular walls. Using perpendicular walls to brace tops of walls is common practice, but by the letter of the law it is making the perpendicular walls shear walls. By USACE standards shear walls are to be concrete or concrete masonry.

I have (2) questions:

Can the 10 psf horizontal pressure be reduced to 5 psf as per typical designs? If we must use the 10 psf applied to the whole surface of the wall can the L/360 deflection limit be relaxed considering the tall heights of the wall and the large loads to which the walls are being designed?

Can the interior metal stud/gyp board walls be used to brace perpendicular metal stud/gyp board walls?

A: No amendment is required to change the pressure of 10 psf and deflection of L/360 for interior partitions. UFGS specification 09100 Metal Support Assemblies references ASTM C 754 for installation of steel framing members to receive screw-attached gypsum wall board. Tables 3 and 4 of ASTM C 754 give three pressures (5, 7.5, & 10 psf), and three deflection limits (L/120, L/240, & L/360).

QUESTIONS Group 10

1. Can the Government provide the weight of the tank which is to be relocated from building 7238
2. Reference solicitation section 1005, paragraph 1.8.2 concerning interior slab on grade construction. The specification calls for the slabs to be constructed on a thin layer of sand on a 6" layer of capillary water barrier on 8oz geotextile fabric on a 20 mil PVC vapor barrier. Is this

really what is desired? This is more expensive than the typical system which we have seen used at Ellsworth in the past.

A1. Sheet AR.01 indicates approximate size. Approximate weight was added by Am #0002.

A2. Item 2 is correct. This is the latest slab-on-grade section that we have worked with Geotech to conform to the requirements of TI 809-02 Structural Design Criteria for Buildings dated 1 Sept 1999. No amendment required.

QUESTIONS Group 11

Reference section 1005, para 1.7.1 of the RFP. The second sentence says that the contractor shall adhere to the recommendations in the Geotechnical Engineering Letter for the building subgrade work. Is this saying that the Government wants the contractor to use the granular engineered fill option? Or, is it the contractor's option to chemically treat the onsite soils rather than using granular fill?

A: See amendment No. 0002

QUESTIONS Group 12

Attachment 31, Lyon Workspace Products, pg24 Storage Rack lists a quantity of 1.7. How many do you want? Also pg 23 lists a quantity of 1.5.

A: Item clarified by Am #0002.

QUESTIONS Group 13

1. What will be the process for design submittals?

A: See Section 01332 DESIGN AND CONSTRUCTION DELIVERABLES/PROCEDURES. This section summarizes the submittals required for the 60 percent, 100 percent, 100 percent corrected design levels and construction set deliverables. This section discusses review times required by the Government, how many copies, format issues and other useful information. Section 00800 SPECIAL CONTRACT REQUIREMENTS gives flexibility on how the design package may be submitted. Site work, foundations, and site utilities, may proceed directly to the 100 percent design submittal while the remainder of work starts out at 60 percent design. Also, see revisions made by Am #0002

2. Drawing Sheet U1.1, Flag Note UF13 talks about an option to convert existing OH power to underground. This option is not on the Pricing Schedule. Which option is this item associated with? Parking Lot or Landscape Option? Do we need to revise the Pricing Schedule?

A: Note revised by Am #0002

3. Attachment 30, Part F, Page 17, Item BN-1, Memo item reading "stainless steel w/ Random finish, w/ powder coat finish", This finish is not available. Please clarify requirements. Also, if this finish requires correction, Item A/T-1 finish indicated on memo note would require change to match item BN-1

A: See revisions made by Am #0002.

ARCHITECTURAL/ELECTRICAL QUESTIONS Group 14

1. Section 01003, Paragraph 1.5.3 Interior Wall Construction

- a. The second paragraph refers to Attachment 8 for requirements for Arms Room construction. In Attachment 8, under Section 23.3.3.1, it says that "Arms room constructed in accordance with MIL-HBK-1013/1a" or "a modular vault meeting Federal Specification AA-V-2737." The information in either the MIL-HBK or the Federal Specification is not included as an attachment to the RFP and was not accessible via the list of internet publication sites. Please provide clarification of the requirements for the wall construction of the Arms room.
- b. The third paragraph mentions that "Concrete masonry walls will consist of a minimum of 8 inch nominal wall width. The drawings call out "CMU-3" walls, which is a 4" CMU veneer similar to what is used outside. Please clarify if there are any necessary 8" interior CMU walls besides those that may be used as shear walls?

2. Section 01003, Paragraph 1.6.4 Sound and Vibration Control

- a. It states that "Without exception, all interior walls shall extend up to the underside of structure, or be capped with solid ceiling construction..." Then goes on to state that the STC requirements for the Floor/Ceiling Construction is "equal to wall rating at all locations". The wall ratings vary from STC 45 to STC 50. The specified acoustical ceiling tile has a CAC rating of 35 (CAC is equivalent to STC). In order to meet the required STC in some locations where bringing the walls up to structure makes little sense, such as in the maintenance areas of the building, would the Corps accept a bagged batt insulation which is sized to fit with each ceiling tile and meet STC requirements or is a solid ceiling construction over the ceiling tiles required?
- b. It states that the requirements for the wall construction of the Secure Conference Rooms is located in AFI 31-401, ACC Supplement 1. The AFI is not included in the RFP and was not accessible via the list of internet publication sites. Further clarification of what is required at the Secure Conference Rooms is required including whether a SKIF is necessary for this area. What security measures are needed at this area mechanically (i.e. bars in ductwork) and electrically?

3. Section 01003, Paragraph 1.7.2.1 Roof Slopes

- a. It states that "Roof slopes shall be as indicated on the Drawings.". On

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FROM : 28CES/CEC

FAX NO. : 3855736

Jun. 17 2003 09:00AM PB

Drawing A3.1, the roof slopes are indicated and at two locations a slope of 2:12 is shown. However, the ACC Architectural and Interior Design Standards states on pg 5 that ACC designs will "use sloped roofs greater than 3:12...". Please clarify the discrepancy.

4. Section 01007, Paragraph 1.13.6 Security System

- a. Please clarify required security system at Arms Room.

A1a. Mil-HBK-1013/1a is on the advertised CD-ROM under Folder "Guides/References".

A1b. "CMU-3" refers to a color and texture of CMU, not a specific thickness of CMU. It doesn't ever say to use "4 inch thick" CMU-3, either. They must use 8' thick CMU everywhere. If they want to use 4" thick CMU-3 with a backup wythe of some other thickness of standard CMU, that would be fine, we feel.

A2a. Section 01003, Par. 1.6.4 says that all walls must extend to structure or must be capped a certain way. Period. Any revisions to this must be approved by COE, not KHA.

A2b. AFI 31-401 is on the advertised CD-ROM under Folder "Guides/References" P.S. The Secure Conference Rooms are not SCIF's.

A3. ACC approved the use of 2:12 roof pitch for the areas shown on the drawings. Section 00800, Paragraph 1.5 (d) states that where there is conflict between the Division 0 and 1 RFP sections and the attachments exist, the RFP sections shall govern.

A4. We believe the security system requirements for the Arms Room are clear. What exactly is unclear to them?

ATTACHMENT 32 QUESTIONS Group 15

1- On PN FXBM993001 They list RM232 twice on rooms getting components installed into them. Is there an error on the second RM232 number, or should we eliminate one of the RM232 rooms.

A: Attachment 32 (Part D) Page 16 for Item Code AE-PR-1.B was corrected by Am #0002.

2- On the public address installation, will the cables need to be run in conduit or is it a plenum ceiling. This is vital because there are over 200 speaker locations. Since we are checking on the speaker runs lets just ask if all AV cables need to be in conduit or are they plenum.

A: Section 01007, paragraphs 1.13.2 and 1.13.3 state requirements for public address and CATV.